

WHAT IS CLAIMED IS:

SUB A17

1. An information processing method using fingerprint identification comprising the steps of:

identifying user according to an inputted fingerprint;

preserving user's individual information associated with the user regarding a device in every identified user at the time when the user suspends use of the device which the user uses; and

selecting said user's individual information corresponding to identified user, which is preserved, to provide for said user when said user resumes use of said device.

2. An information processing method using fingerprint identification as claimed in claim 1, wherein said user's individual information includes any of work progressive information, work environmental information, and work historical information of the user who uses said device.

3. An information processing device using fingerprint identification comprising:

a fingerprint image input means for acquiring fingerprint image of a user to output said fingerprint image to a fingerprint feature extraction means;

a suspension / resumption management means accepting instruction either suspension or resumption of use of said device from said user to output said instruction either suspension or resumption to a fingerprint feature extraction means and a user individual information storage means;

the fingerprint feature extraction means receiving said fingerprint image from said fingerprint image input means, before extracting fingerprint feature from said fingerprint image, when received

instruction from said suspension / resumption management means is
15 suspension, outputting said fingerprint feature to said user individual
information storage means, while when received instruction from said
suspension / resumption management means is resumption, outputting
said fingerprint feature to a fingerprint matching means;

20 a user individual information storage means storing therein said
fingerprint feature received from the fingerprint feature extraction means
associated with the user's individual information regarding said device
when instruction received from said suspension / resumption
management means is suspension, while when instruction received from
said suspension / resumption management means is resumption,
25 outputting still stored fingerprint feature (hereinafter referring to
registered fingerprint feature) group to receive matching result from
fingerprint matching means, subsequently, selecting fingerprint feature
from inside of registered fingerprint feature group according to said
matching result, thus selecting said user's individual information
30 associated with selected said fingerprint feature in order to output to a
user individual information processing means;

a fingerprint matching means receiving the registered fingerprint
feature group from said user individual information storage means,
before implementing matching processing between said registered
35 fingerprint feature group and fingerprint feature received from the
fingerprint feature extraction means, thus outputting matching result to
said user individual information storage means; and

a user individual information processing means receiving the
user's individual information from the user individual information
40 storage means, before implementing specific processing in answer to
content of said user' individual information.

4. An information processing device using fingerprint

identification as claimed in claim 3, wherein said user's individual information includes any of work progressive information, work environmental information, and work historical information of the user who uses said device.

5. An information processing device using fingerprint identification as claimed in claim 3, wherein said suspension / resumption management means outputs said instruction of either suspension or resumption to also an indication information management means in addition to the fingerprint feature extraction means and the user individual information storage means, and said user individual information processing means is provided with:

a instruction input means accepting an instruction of operation of said device from the user in order to output instruction of said operation to the indication information processing means;

a presentation information management means storing therein management information of information to be presented for the user, in order to output said management information while updating said management information in answer to instruction of said operation to presentation means when receiving instruction of said operation from said instruction input means;

a presentation means receiving said management information from said presentation information management means, before acquiring information to be presented for the user from the device data storage means according to said management information in order to present; and

a device data storage means storing therein information which the device should maintain,

when said presentation information management means receives instruction of suspension from said suspension / resumption management

means, outputting said management information to the user individual information storage means, while when said presentation information management means receives instruction of resumption from said suspension / resumption management means, updating storage content according to said management information received from said user individual information storage means.

6. An information processing device using fingerprint identification as claimed in claim 4, wherein said suspension / resumption management means outputs said instruction of either suspension or resumption to also an indication information management means in addition to the fingerprint feature extraction means and the user individual information storage means, and said user individual information processing means is provided with:

a instruction input means accepting an instruction of operation of said device from the user in order to output instruction of said operation to the indication information processing means;

a presentation information management means storing therein management information of information to be presented for the user, in order to output said management information while updating said management information in answer to instruction of said operation to presentation means when receiving instruction of said operation from said instruction input means;

a presentation means receiving said management information from said presentation information management means, before acquiring information to be presented for the user from the device data storage means according to said management information in order to present; and

a device data storage means storing therein information which the device should maintain,

when said presentation information management means receives
25 instruction of suspension from said suspension / resumption management
means, outputting said management information to the user individual
information storage means, while when said presentation information
management means receives instruction of resumption from said
30 suspension / resumption management means, updating storage content
according to said management information received from said user
individual information storage means.

7. An information processing device using fingerprint
identification as claimed in claim 5, in which said information processing
device using fingerprint identification comprises at least one client
section consisting of said fingerprint scanner, said suspension /
5 resumption management means, said feature extraction means, said
instruction input means, said presentation means, and said presentation
information management means, and at least one server section
consisting of said user individual information storage means, said
fingerprint matching means, and said device data storage means,
10 wherein said client section is connected with said server section through
network.

8. An information processing device using fingerprint
identification as claimed in claim 6, in which said information processing
device using fingerprint identification comprises at least one client
section consisting of said fingerprint scanner, said suspension /
5 resumption management means, said feature extraction means, said
instruction input means, said presentation means, and said presentation
information management means, and at least one server section
consisting of said user individual information storage means, said
fingerprint matching means, and said device data storage means,

10 wherein said client section is connected with said server section through network.

9. An information processing device using fingerprint identification as claimed in claim 3, wherein said information processing device using fingerprint identification is any of an electronic picture book device, a game device, and a retrieval device.

10. An information processing device using fingerprint identification as claimed in claim 4, wherein said information processing device using fingerprint identification is any of an electronic picture book device, a game device, and a retrieval device.

11. An information processing device using fingerprint identification as claimed in claim 5, wherein said information processing device using fingerprint identification is any of an electronic picture book device, a game device, and a retrieval device.

12. An information processing device using fingerprint identification as claimed in claim 6, wherein said information processing device using fingerprint identification is any of an electronic picture book device, a game device, and a retrieval device.

13. An information processing device using fingerprint identification as claimed in claim 7, wherein said information processing device using fingerprint identification is any of an electronic picture book device, a game device, and a retrieval device.

14. An information processing device using fingerprint identification as claimed in claim 8, wherein said information processing

device using fingerprint identification is any of an electronic picture book device, a game device, and a retrieval device.

15. A storage medium stored therein a computer implemented information processing program using fingerprint identification comprising the steps of:

a step for identifying user according to inputted fingerprint;

5 a step for accepting instruction of either suspension or resumption;

a step for storing the user's individual information regarding a device into which the program is installed associated with said user in the case of reception of instruction of suspension in every identified user; and

10 a step for selecting to be provided said individual information corresponding to identified user in the case of reception of instruction of resumption from the inside of user's individual information stored previously.

ADD A27